



## **ERRATA/ADDENDUM NOTICE**

**EOS Core System (ECS) Project Contract No. NAS5-60000**

**December 18, 2003**

**Document No.:** 420-TP-023-001

**Title:** Release 6B Implementation Earth Science Data Model for the ECS Project

Enclosed please find change pages for the subject document. Please replace the pages as follows:

Remove

Insert

v and vi

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Please add the following pages to the end of the document:

AD4-1 and AD4-4

If you have any questions, please contact our Data Management Office at (301) 925-0512.

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<b>Document History</b>			
<b>Document Number</b>	<b>Status/Issue</b>	<b>Publication Date</b>	<b>CCR Number</b>
420-TP-023-001	Original	October 2002	02-0934
420-TP-023-001	Errata/Addendum 1	February 2003	03-0102
420-TP-023-001	Errata/Addendum 2	April 2003	03-0284
420-TP-023-001	Errata/Addendum 3	December 2003	03-0792
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Data Model Documentation changes for UARS, OCTS, and TRMM valids  
NCR38769

Altitude Distance Units

log(hecto Pascals)
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ECS Parameter Keyword

Aerosol extinction profiles at 12.1 microns (AERO12P1)
Aerosol extinction profiles at 1257 cm-1 (AERO1257)
Aerosol extinction profiles at 1605 cm-1 (AERO1605)
Aerosol extinction profiles at 1897 cm-1 (AERO1897)
Aerosol extinction profiles at 2.45 microns (AEXTHF)
Aerosol extinction profiles at 2.80 microns (AEXTCO2)
Aerosol extinction profiles at 3.40 microns (AEXTHCL)
Aerosol extinction profiles at 3.46 microns (AEXTCH4)
Aerosol extinction profiles at 5.26 microns (AEXTNO)
Aerosol extinction profiles at 6.23 microns (AERO6P23)
Aerosol extinction profiles at 780 cm-1 (AERO780)
Aerosol extinction profiles at 790 cm-1 (AERO790)
Aerosol extinction profiles at 843 cm-1 (AERO843)
Aerosol extinction profiles at 880 cm-1 (AERO880)
Aerosol extinction profiles at 925 cm-1 (AERO925)
Altitude profiles
Atmospheric pressure profiles
Atmospheric temperature profiles (TEMP)
Atmospheric temperature profiles on a pressure grid (TEMP_P)
Atmospheric temperature profiles on an altitude grid (TEMP_A)
Atmospheric temperature profiles
CFC-11 or trichlorofluoromethane volume mixing ratio profiles (CFCL3)
CFC-12 or dichlorodifluoromethane volume mixing ratio profiles (CF2CL2)
Carbon monoxide volume mixing ratio profiles (CO)
Chlorine monoxide volume mixing ratio profiles (CLO)
Chlorine nitrate volume mixing ratio profiles (CLONO2)
Dinitrogen pentoxide volume mixing ratio profiles (N2O5)
Dinitrogen pentoxide volume mixing ratio profiles (N2O5_OTHER)
Electron differential number flux (intensity) profiles
Electron energy deposition profiles (EDEP3AT_ELEC)
Electron energy deposition profiles from the HEPS instrument (HEPS_ELEC_ED)
Electron energy deposition profiles from the MEPS instrument (MEPS_ELEC_ED)
Geopotential height profiles (GPH)
Geopotential height profiles
Hydrogen chloride volume mixing ratio profiles (HCL)
Hydrogen fluoride volume mixing ratio profiles (HF)
Meridional wind component profiles on a pressure grid (MERWIN_P)
Meridional wind component profiles on an altitude grid (MERWIN_A)
Meridional wind component profiles
Methane volume mixing ratio profiles (CH4)
Methyl cyanide volume mixing ratio profiles (CH3CN)
Nitric acid volume mixing ratio profiles (HNO3)
Nitric oxide volume mixing ratio profiles (NO)

Nitrogen dioxide volume mixing ratio profiles (NO2)
Nitrous oxide volume mixing ratio profiles (N2O)
O2 band volume emission rate profiles on a pressure grid (VOLER_P)
O2 band volume emission rate profiles on an altitude grid (VOLER_A)
Ozone volume mixing ratio profiles (O3)
Ozone volume mixing ratio profiles at 183 GHz (O3_183)
Ozone volume mixing ratio profiles at 205 GHz (O3_205)
Ozone volume mixing ratio profiles at 780 cm-1 (O3B9)
Proton energy deposition profiles (EDEP3AT_PROT)
Proton energy deposition profiles from the HEPS instrument (HEPS_PROT_ED)
Proton energy deposition profiles from the MEPS instrument (MEPS_PROT_ED)
Relative humidity (moisture) profiles
Sulfur dioxide volume mixing ratio profiles (SO2)
Upper tropospheric relative humidity with respect to ice profiles (UTH)
Vertical velocity (omega) profiles
Water vapor volume mixing ratio profiles (H2O)
X-ray energy deposition profiles (EDEP3AT_P[01-16])
Zonal wind component profiles on a pressure grid (ZONWIN_P)
Zonal wind component profiles on an altitude grid (ZONWIN_A)
Zonal wind component profiles
Aerosol Optical Thickness
Aerosol Reflectance
Angstrom coefficient, 520 to 865 nm
Chlorophyll a concentration
Diffuse Attenuation Coefficients
Epsilon of aerosol correction at 670 and 865 nm
Integral chlorophyll, calculated using the Level-2 values chlorophyll a divided by K_490
Near Infrared
Nitric acid volume mixing ratio profiles (HNO3)
Normalized water-leaving radiance at 490 nm
Normalized water-leaving radiance at 520 nm
Normalized water-leaving radiance at 565 nm
Normalized water-leaving radiance at 670 nm
Radiance @ 0.63um
Radiance @ 1.6um
Radiance @ 10.8um
Radiance @ 12.0um
Radiance @ 3.75um
Satellite Local Zenith Angle
Conditional Rain Rate
Rain Probability
2.0 * TB(19V) - TB(21V)
Latent Heat

#### ECS Term Keyword

Ionosphere/Magnetosphere Particles

### ECS Variable Keyword

Airglow
Altitude
Hydrogen Fluoride
Methyl Cyanide
Nitric Oxide
Temperature Profiles
Microwave Radiance

### Geographic Coordinate Units

kilometers
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### Instrument Long Name

Cryogenic Limb Array Etalon Spectrometer
HALOgen Occultation Experiment
High Resolution Doppler Imager
Improved Stratospheric And Mesospheric Sounder
Particle Environment Monitor Atmospheric X-ray Imaging Spectrometer
Particle Environment Monitor High-Energy Particle Spectrometer
Particle Environment Monitor Medium-Energy Particle Spectrometer
Solar Ultraviolet Spectral Irradiance Monitor
WIND Imaging Interferometer
Ocean Color and Temperature Sensor
Precipitation Radar
TRMM Microwave Imager
Visible and InfraRed Scanner

### Instrument Short Name

CLAES
HALOE
HRDI
ISAMS
PEM AXIS
PEM HEPS
PEM MEPS
SUSIM
WINDII
OCTS
PR
TMI
VIRS

Platform Long Name

Upper Atmosphere Research Satellite
Advanced Earth Observing Satellite

Platform Short Name

UARS
ADEOS

Processing Center

CDHF - Central Data Handling Facility
TSDIS - TRMM Science Data and Information System

Processing Level ID

1C
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Sensor Long Name

Precipitation Radar
TRMM Microwave Imager
Visible and InfraRed Scanner

Sensor Short Name

OCTS
PR
TMI
VIRS